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NOTES ON GEOGRAPHIC DISTRIBUTION

First record of *Hyalinobatrachium fleischmanni* (Boettger, 1893) (Anura: Centrolenidae) from the Caribbean region of Colombia

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ABSTRACT: The distribution of *Hyalinobatrachium fleischmanni* in Colombia is reviewed. The first occurrence of this species from the floodplain forests of Caribbean region of Colombia is reported.

The glassfrog *Hyalinobatrachium fleischmanni* (Boettger, 1893) has a large distributional range; originally described from San José, Costa Rica, it is currently known from southern Mexico, throughout Middle America to northwestern Ecuador (Cochran and Goin 1970; Ruiz-Carranza *et al*. 1991; Ruiz-Carranza *et al*. 1996; Ruiz-Carranza and Lynch 1998; Cisneros-Heredia and McDiarmid 2007).

Hyalinobatrachium fleischmanni is associated with riverine vegetation along lotic streams in tropical moist environments below 1100 m (Bernal and Lynch 2008; Romero *et al*. 2008); is a resilient species that can support environmental change and is known to tolerate substantial water pollution and habitat alteration (Coloma *et al*. 2009).

In Colombia, *H. fleischmanni* was previously reported from the tropical forest of the Pacific lowlands and wet forests of the Magdalena Basin (Ruiz-Carranza *et al*. 1996; Ruiz-Carranza and Lynch 1998; Acosta 2000; Paéz *et al*. 2002; Lynch and Suarez 2004). Acosta *et al*. (2006) recorded some aspects related to the natural history where observed into the forest more of 25 males on vegetation adjacent to streams during the rainy season.

Rada and Guayasamin (2008) presented new records from department of Tolima, the southernmost known record for this species in the Magdalena Valley. Romero *et al*, (2008) reported *H. fleischmanni* in the northern foothills of the Andes in the department of Córdoba, the northernmost record of the species in Colombia. There are 535 linear kilometers between the northernmost and southernmost localities of Colombia.

Hyalinobatrachium fleischmanni exhibits an unusually large distribution for a species of the Trans-interandean region of Colombia (sensu Hernández 1992) associated with lowland tropical moist forests (below 1100 m) and includes four ecoregions: Magdalena Valley montane forests, Magdalena Valley dry forests, Magdalena-Urabá moist forests and Chocó-Darién moist forests. (Dinerstein *et al*. 1995; Olson and Dinerstein 2002).

In May 2009, herpetological inventories were carried out by the Alexander von Humboldt Research Institute (IAvH) and the Regional Autonomous Corporation of Sucre (CARSUCRE) in the floodplain forests and savanna associated with the southwest Montes de María Mountains department of Sucre, Colombia. One adult male *H. fleischmanni* (IAvH 8282 deposited in the amphibian reference collection, Alexander von Humboldt Institute, Villa de Leyva, Colombia) (Figure 1-2) was collected in the municipality of Tolú Viejo, Vereda Macajan, finca Mundo Nuevo, La Culebra creek, Los Navas Forest, (09°34'38.6" N, 75°26'58.6" W, 43 m), on 7 May, 2009 (Figure 3). This record is the first of this species from the Guajira-Barranquilla xeric scrub ecoregion (sensu Dinerstein *et al*. 1995) of the Caribbean lowlands and corresponds to the northernmost

FIGURE 1. Lateral view of adult male of *Hyalinobatrachium fleischmanni* (IAvH 8282) collected at Los Navas Forest, municipality of Tolú Viejo, department of Sucre, Colombia in 7. May 2009. Photo by Andrés Acosta

locality of the species in Colombia. The locality is characterized by secondary forest associated with alluvial plains. In addition to the collected specimen, numerous adult males were heard but uncollected. The occurrence of *H. fleischmanni* in a Caribbean subhygrophytic forests suggests the possibility that it may be found at other localities in this region. At this locality, *H. fleischmanni* was sympatric with *Craugastor raniformis*, *Dendrobates truncatus*, *Dendropsophus microcephalus*, *Engystomops pustulosus*, *Leptodactylus poecilochilus*, *Pseudopaludicola pusilla*, *Pleurodema brachyops*, and *Rhinella marina*.

FIGURE 2. dorsal view of adult male of *Hyalinobatrachium fleischmanni* (IAvH 8282) collected at Los Navas Forest, municipality of Tolú Viejo, department of Sucre, Colombia in 7. May 2009. Photo by Andrés Acosta

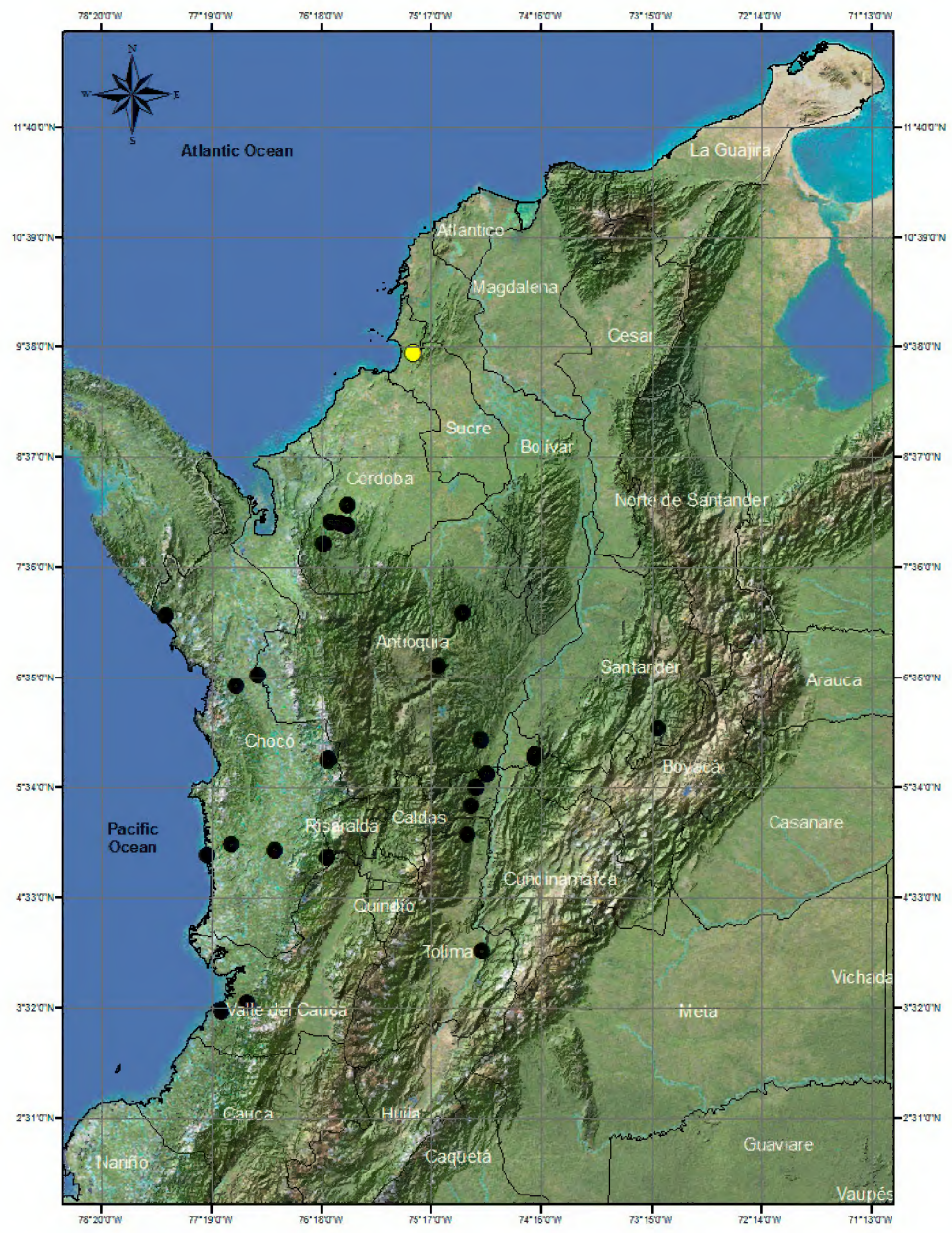

FIGURE 3. Map of Colombia showing localities (black dots), and new record (yellow dot) in Caribbean region for *Hyalinobatrachium fleischmanni*.

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